Claim Amendments

28. (Currently amended)   A computer-implemented method of operation for a wireless local area network (WLAN) that includes a chain of repeaters, the method comprising:

(a)   tuning on a channel of a frequency band by a first repeater to determine whether the channel is available for use;

(b)   testing the channel for reliability by sending data that includes real-time audiovisual content from the first repeater to a next repeater in the chain at a throughput of at least 11Mbps, the first repeater and the next repeater being physically obstructed from a line-of-sight view, and receiving data back from the next repeater by the first repeater, the first repeater transmitting during even time intervals and receiving during odd time intervals, the next repeater transmitting during the odd time intervals and receiving during the even time intervals; and

(c)   allocating the channel for use as a transmission link between the first and next repeaters.

29. (Original)   The computer-implemented method of claim 28 further comprising repeating (a)-(c) for each repeater in the chain.

30. (Original)   The computer-implemented method of claim 28 further comprising repeating (a)-(c) for each repeater in the chain with each transmission link utilizing a different channel.

31. (Original)   The computer-implemented method of claim 28 further comprising monitoring signal quality of the channel during data transmissions.

32. (Original)   The computer-implemented method of claim 31 further comprising switching to a different channel if the signal quality falls below a certain level.

33. (Original)   The computer-implemented method of claim 28 wherein (a)-(c) are performed by at least one processor of the WLAN.

34. (Original)   The computer-implemented method of claim 28 wherein (a)-(c) are performed by at least one processor of an access point that functions as a data source.

35. (Original)   The computer-implemented method of claim 28 wherein the frequency band comprises a 5GHz frequency band.

36. (Original)   The computer-implemented method of claim 28 wherein the frequency band comprises a 2.4GHz frequency band.